

TABLE 12
ELECTROSTATIC PRECIPITATORS

Point Number(from Flow Diagram)			Manufacturer & Model No. (if available)		
Name of Abatement Device			Type of Particulate Controlled		
GAS STREAM CHARACTERISTICS					
Flow Rate (acfm)		Gas Stream Temperature (°F)		Particulate Grain Loading (grain/scf)	
Design Maximum	Average Expected			Inlet	Outlet
Pressure Drop (in. H ₂ O)		Water Vapor Content of Effluent Stream (lb water/lb dry air)		Fan Requirements (hp) (ft ³ /min)	
PARTICULATE DISTRIBUTION (By Weight)					
Micron Range		Inlet		Outlet	
0.0-0.5		_____ %		_____ %	
0.5-1.0		_____ %		_____ %	
1.0-5.0		_____ %		_____ %	
5-10		_____ %		_____ %	
10-20		_____ %		_____ %	
over 20		_____ %		_____ %	
PRECIPITATOR CHARACTERISTICS					
Number of Stages	Number of Plates	Plate Spacing	Number of Discharge Electrodes		Spacing Between Electrodes and Plates
Length of Plates (ft)	Width of Plates	Potential Applied (KV/in)	Cross-sectional Area of Precipitator (ft ²)	Cross-sectional of Inlet Duct (ft ²)	
Precipitator Volume (ft)		Residence Time in Precipitator (sec)		Type of Collecting Electrode Tubular Plate	
Method of Frequency of dust removal from collection hopper:					
Describe frequency and type of rapping employed:					
ADDITIONAL INFORMATION					

On separate sheets attach the following:

- A. Details regarding principle of operation
- B. An assembly drawing (Front and Top View) of the abatement device dimensioned and to scale clearly showing the design, size and shape.

If the device has bypasses, safety valves, etc., include in drawing and specify when such bypasses are to be used and under what conditions.